Listing of the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

1-7. (Canceled)

- 8. (Original) An integrated circuit device receiving signals from a signal pad, comprising at least one substrate-biased silicon diode responsive to the signals from the signal pad for providing electrostatic discharge protection.
- 9. (Original) The integrated circuit device claimed in claim 8, wherein the at least one substrate-biased silicon diode includes one or more serially coupled substrate-biased silicon diodes.
- 10. (Original) The integrated circuit device as claimed in claim 8, wherein the at least one substrate-biased silicon diode includes a p-type polysilicon portion, an n-type polysilicon portion and a center polysilicon portion disposed between and contiguous with the p-type and n-type polysilicon portions.

11-14. (Canceled)

- 15. (Original) The integrated circuit device as claimed in claim 8, wherein the at least one substrate-biased silicon diode includes a p-portion and an n-portion, and wherein the signal pad is coupled to the p-portion of the at least one substrate-biased silicon diode.
- 16. (Original) The integrated circuit device as claimed in claim 8, further comprising a detection circuit for detecting the signals from the signal pad and providing a bias voltage to the at least one substrate-biased silicon diode.

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- 17. (Original) The integrated circuit device as claimed in claim 8, wherein the signals from the signal pad are electrostatic pulses.
- 18. (Original) The integrated circuit device as claimed in claim 16, wherein the detection circuit comprises a resistor-capacitor circuit having a delay constant longer than the duration of the signals from the signal pad.
- 19. (Original) The integrated circuit device as claimed in claim 16, wherein the detection circuit comprises a resistor-capacitor circuit coupled in parallel to a transistor network.
- 20. (Original) The integrated circuit device as claimed in claim 16, wherein the detection circuit includes a first transistor, a second transistor, and a resistor-capacitor circuit, and wherein a gate of the first transistor is coupled to a gate of the second transistor and the resistor-capacitor circuit.
- 21. (Original) The integrated circuit device as claimed in claim 20, wherein a drain of the first transistor and a drain of the second transistor are coupled to a substrate of the at least one substrate-biased silicon diode to provide a bias voltage.
- 22. (Original) The integrated circuit device as claimed in claim 20, wherein a source of the first transistor is coupled to a V_{DD} signal and a source of the second transistor is coupled to a V_{SS} signal.
- 23. (Original) An integrated circuit device receiving signals from a signal pad, comprising:
- a first plurality of serially coupled substrate-biased silicon diodes responsive to the signals from the signal pad for providing electrostatic discharge protection from the signals, each of the first plurality of substrate-biased silicon diodes including a p-portion and an n-portion;

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a second plurality of serially coupled substrate-biased silicon diodes responsive to the signals from the signal pad for providing electrostatic discharge protection from the signals, each of the second plurality of substrate-biased silicon diodes including a p-portion and an n-portion; and

a detection circuit for detecting signals from the signal pad and providing a bias voltage to the first and second plurality of substrate-biased silicon diodes,

wherein the signal pad is coupled to the p-portion of one of the first plurality of substratebiased silicon diodes and the n-portion of one of the second plurality of the substrate-biased silicon diodes.

24. (Original) The integrated circuit device as claimed in claim 23, wherein the detection circuit comprises a first transistor; a second transistor, and a resistor-capacitor network, and wherein a gate of the first transistor is coupled to a gate of the second transistor and the resistor-capacitor circuit.

25. (Original) The integrated circuit device as claimed in claim 24, wherein a drain of the first transistor and a drain of the second transistor are coupled to a substrate of the first and second plurality of substrate-biased silicon diodes to provide a bias voltage to the first and second plurality of substrate-biased silicon diodes.

26-53. (Canceled)

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